

## Patent Assignment Abstract of Title

**Total Assignments: 1**

**Applicati n #:** 09878803 **Filing Dt:** 06/11/2001 **Patent #:** NONE **Issue Dt:**  
**PCT #:** NONE **Publicati n #:** 20020022197 **Pub Dt:** 02/21/2002  
**Inventors:** Min Ho Jung, Sung Eun Hong, Jae Chang Jung, Geun Su Lee, Ki Ho Baik  
**Title:** Additive for photoresist composition for resist flow process

**Assignment: 1**

**Reel/Frame:** 012165/0914 **Received:** 09/20/2001 **Recorded:** 09/17/2001 **Mailed:** 11/21/2001 **Pages:** 3

**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignors:** JUNG, MIN HO  
HONG, SUNG EUN  
JUNG, JAE CHANG  
LEE, GEUN SU  
BAIK, KI HO

**Exec Dt:** 07/10/2001  
**Exec Dt:** 07/10/2001  
**Exec Dt:** 07/10/2001  
**Exec Dt:** 07/10/2001  
**Exec Dt:** 07/10/2001

**Assignee:** HYNIX SEMICONDUCTOR INC.  
 SAN 136-1, AMI-RI, BUBAL-UEP, ICHON-SHI  
 KYUNGKI-DO, KOREA, REPUBLIC OF

**Correspondent:** MARSHALL, GERSTEIN & BORUN  
 MICHAEL R. HULL  
 233 SOUTH WACKER DRIVE  
 6300 SEARS TOWER  
 CHICAGO, IL 60606-6402

Search Results as of: 5/14/2003 8:44:07 A.M.

---

If you have any comments or questions concerning the data displayed, contact OPR / Assignments at 703-308-9723  
 Web interface last modified: Oct. 5, 2002

L Number	Hits	Search Text	DB	Time stamp
1	5704	(430/270.1 430/905 430/910 552/552 526/281 528/298 568/369).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/14 11:43
2	8054	lithocholate deoxycholate androstane cholate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/14 11:43
3	2214	((polymer resin binder resist photoresist) ) and (\$5acid near generat\$3) and additive and (solvent (organic adj solvent)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/14 11:44
4	127	((430/270.1 430/905 430/910 552/552 526/281 528/298 568/369).CCLS.) AND (lithocholate deoxycholate androstane cholate )	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/14 11:44
5	65	((430/270.1 430/905 430/910 552/552 526/281 528/298 568/369).CCLS.) AND (lithocholate deoxycholate androstane cholate ) ) AND (((polymer resin binder resist photoresist) ) and (\$5acid near generat\$3) and additive and (solvent (organic adj solvent))))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/14 11:44
6	40	((polymer resin binder resist photoresist) ) and (\$5acid near generat\$3) and additive and (solvent (organic adj solvent))) and lithocholate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/14 11:44
7	56	((lithocholate deoxycholate androstane cholate ) and (((polymer resin binder resist photoresist) ) and (\$5acid near generat\$3) and additive and (solvent (organic adj solvent))) ) ) not (((polymer resin binder resist photoresist) ) and (\$5acid near generat\$3) and additive and (solvent (organic adj solvent))) and lithocholate ) (((("5580694") or ("5786131") or ("2002044324") or ("6497987") or ("5641767") or ("6268106") or ("6180316")).PN.) wo-200244324-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/14 11:45
8	56	((lithocholate deoxycholate androstane cholate ) and (((polymer resin binder resist photoresist) ) and (\$5acid near generat\$3) and additive and (solvent (organic adj solvent))) ) ) not (((polymer resin binder resist photoresist) ) and (\$5acid near generat\$3) and additive and (solvent (organic adj solvent))) and lithocholate ) (((("5580694") or ("5786131") or ("2002044324") or ("6497987") or ("5641767") or ("6268106") or ("6180316")).PN.) wo-200244324-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/14 11:46

Do Not Remove!

9	0	(((((430/270.1 430/905 430/910 552/552 526/281 528/298 568/369).CCLS.) AND (lithocholate deoxycholate androstane cholate ) ) AND (((polymer resin binder resist photoresist) ) and (\$5acid near generat\$3) and additive and (solvent (organic adj solvent)))) NOT (((polymer resin binder resist photoresist) ) and (\$5acid near generat\$3) and additive and (solvent (organic adj solvent))) and lithocholate ) (((lithocholate deoxycholate androstane cholate ) and (((polymer resin binder resist photoresist) ) and (\$5acid near generat\$3) and additive and (solvent (organic adj solvent))) ) ) not (((polymer resin binder resist photoresist) ) and (\$5acid near generat\$3) and additive and (solvent (organic adj solvent))) and lithocholate ) (((("5580694") or ("5786131") or ("2002044324") or ("6497987") or ("5641767") or ("6268106") or ("6180316")).PN.) wo-200244324-\$.did. ) (((lithocholate deoxycholate androstane cholate ) and (((polymer resin binder resist photoresist) ) and (\$5acid near generat\$3) and additive and (solvent (organic adj solvent))) ) ) not (((polymer resin binder resist photoresist) ) and (\$5acid near generat\$3) and additive and (solvent (organic adj solvent))) and lithocholate ) (((("5580694") or ("5786131") or ("2002044324") or ("6497987") or ("5641767") or ("6268106") or ("6180316")).PN.) wo-200244324-\$.did. )) ("20020022197").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/14 11:46
-	2		USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/13 15:35
-	3069423	(polymer resin binder resist photoresist)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/13 13:05
-	13754	\$5acid near generat\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/13 13:06
-	476884	additive	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/13 13:06
-	996705	solvent (organic adj solvent)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/13 13:06
-	2232	((polymer resin binder resist photoresist) ) and (\$5acid near generat\$3) and additive and (solvent (organic adj solvent))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/14 11:44
-	104	lithocholate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/13 14:22
-	39	((polymer resin binder resist photoresist) ) and (\$5acid near generat\$3) and additive and (solvent (organic adj solvent))) and lithocholate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/14 11:43
-	0	\$5cholate androstane	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/13 15:07

-	0	\$5cholate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/13 15:04
-	0	androstane	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/13 15:07
-	8054	lithocholate deoxycholate androstane cholate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/14 11:43
-	2214	((polymer resin binder resist photoresist) ) and (\$5acid near generat\$3) and additive and (solvent (organic adj solvent)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/13 15:37
-	77	(lithocholate deoxycholate androstane cholate ) and (((polymer resin binder resist photoresist) ) and (\$5acid near generat\$3) and additive and (solvent (organic adj solvent))) )	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/13 15:38
-	40	((polymer resin binder resist photoresist) ) and (\$5acid near generat\$3) and additive and (solvent (organic adj solvent))) and lithocholate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/14 11:44
-	38	((lithocholate deoxycholate androstane cholate ) and (((polymer resin binder resist photoresist) ) and (\$5acid near generat\$3) and additive and (solvent (organic adj solvent))) ) not (((polymer resin binder resist photoresist) ) and (\$5acid near generat\$3) and additive and (solvent (organic adj solvent))) and lithocholate )	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/13 15:54
-	14	((("5580694") or ("5786131") or ("2002044324") or ("6497987") or ("5641767") or ("6268106") or ("6180316"))).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/13 15:59
-	1	wo-200244324-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/13 16:00
-	53	((lithocholate deoxycholate androstane cholate ) and (((polymer resin binder resist photoresist) ) and (\$5acid near generat\$3) and additive and (solvent (organic adj solvent))) ) not (((polymer resin binder resist photoresist) ) and (\$5acid near generat\$3) and additive and (solvent (organic adj solvent))) and lithocholate )) ((("5580694") or ("5786131") or ("2002044324") or ("6497987") or ("5641767") or ("6268106") or ("6180316"))).PN.) wo-200244324-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/14 11:45
-	1208	JUNG-MIIN JUNG-MIN JUNG-MING JUNG-MINO-HO JUNG-MIN-HO JUNG-M-H HONG-SUNG HONG-SUNG-EUN JUNG-JAE-CHANG JUNG-JAE-CHEUN LEE-GEUN-SOO LEE-GEUN-SU BAIK-K BAIK-KI-HO BAIK-K-H	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/13 17:47
-	1	(JUNG-MIIN JUNG-MIN JUNG-MING JUNG-MINO-HO JUNG-MIN-HO JUNG-M-H HONG-SUNG HONG-SUNG-EUN JUNG-JAE-CHANG JUNG-JAE-CHEUN LEE-GEUN-SOO LEE-GEUN-SU BAIK-K BAIK-KI-HO BAIK-K-H) and (lithocholate deoxycholate androstane cholate )	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/13 17:48
-	6	(photoresist adj composition) same (antireflective adj film)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/13 17:52
-	6	wo-9733198-\$.did. ep-789278-\$.did. ep-690348-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/13 17:51

-	1628	(photoresist adj composition) same coating	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/13 17:53
-	299	((photoresist adj composition) same coating) not (exposure irradiation)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/13 17:55
-	43	((photoresist adj composition) same coating) not (exposure irradiation)	USPAT	2003/05/13 18:24
-	109	428/\$.ccls. and (\$5resist adj composition)	USPAT	2003/05/13 18:29
-	2	("6416926").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/14 08:24
-	0	2000038391.URPN.	USPAT	2003/05/14 08:29
-	1	"6150069".PN.	USPAT	2003/05/14 08:30
-	6	6150069.URPN.	USPAT	2003/05/14 08:30
-	1	6391518.URPN.	USPAT	2003/05/14 08:37
-	13	("3370047"   "4011386"   "4106943"   "4202955"   "4491628"   "4883740"   "5087677"   "5212043"   "5252427"   "5278214"   "5585219"   "6143466"   "6150069").PN.	USPAT	2003/05/14 08:37